

OIPE

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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/698,705

DATE: 11/13/2000
TIME: 12:17:45

Input Set : A:\P1777R1.txt
Output Set: N:\CRF3\11132000\I698705.raw

3 <110> APPLICANT: Devaux, B.
4 Keller, G.
5 Koeppen, H.
6 Lasky, L.
8 <120> TITLE OF INVENTION: Anti-Tumor Antibody Compositions and Methods of Use
10 <130> FILE REFERENCE: P1777R1
W--> 12 <140> CURRENT APPLICATION NUMBER: US/09/698,705
12 <141> CURRENT FILING DATE: 2000-10-27
14 <150> PRIOR APPLICATION NUMBER: US 60/162,558
15 <151> PRIOR FILING DATE: 1999-10-29
17 <150> PRIOR APPLICATION NUMBER: US 60/182,872
18 <151> PRIOR FILING DATE: 2000-02-16
20 <160> NUMBER OF SEQ ID NOS: 25
22 <210> SEQ ID NO: 1
23 <211> LENGTH: 123
24 <212> TYPE: PRT
25 <213> ORGANISM: Homo sapiens
27 <400> SEQUENCE: 1
28 Met Lys Ala Val Leu Leu Ala Leu Leu Met Ala Gly Leu Ala Leu
29 1 5 10 15
31 Gln Pro Gly Thr Ala Leu Leu Cys Tyr Ser Cys Lys Ala Gln Val
32 20 25 30
34 Ser Asn Glu Asp Cys Leu Gln Val Glu Asn Cys Thr Gln Leu Gly
35 35 40 45
37 Glu Gln Cys Trp Thr Ala Arg Ile Arg Ala Val Gly Leu Leu Thr
38 50 55 60
40 Val Ile Ser Lys Gly Cys Ser Leu Asn Cys Val Asp Asp Ser Gln
41 65 70 75
43 Asp Tyr Tyr Val Gly Lys Lys Asn Ile Thr Cys Cys Asp Thr Asp
44 80 85 90
46 Leu Cys Asn Ala Ser Gly Ala His Ala Leu Gln Pro Ala Ala Ala
47 95 100 105
49 Ile Leu Ala Leu Leu Pro Ala Leu Gly Leu Leu Leu Trp Gly Pro
50 110 115 120
52 Gly Gln Leu
55 <210> SEQ ID NO: 2
56 <211> LENGTH: 372
57 <212> TYPE: DNA
58 <213> ORGANISM: Homo sapiens
60 <400> SEQUENCE: 2
61 atg aag gct gtg ctg ctt gcc ctg ttg atg gca ggc 36
62 Met Lys Ala Val Leu Leu Ala Leu Leu Met Ala Gly
63 1 5 10
65 ttg gcc ctg cag cca ggc act gcc ctg ctg tgc tac tcc 75
66 Leu Ala Leu Gln Pro Gly Thr Ala Leu Leu Cys Tyr Ser
67 15 20 25
69 tgc aaa gcc cag gtg agc aac gag gac tgc ctg cag gtg 114

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70 Cys Lys Ala Gln Val Ser Asn Glu Asp Cys Leu Gln Val
71 30 35
73 gag aac tgc acc cag ctg ggg gag cag tgc tgg acc gcg 153
74 Glu Asn Cys Thr Gln Leu Gly Glu Gln Cys Trp Thr Ala
75 40 45 50
77 cgc atc cgc gca gtt ggc ctc ctg acc gtc atc agc aaa 192
78 Arg Ile Arg Ala Val Gly Leu Leu Thr Val Ile Ser Lys
79 55 60
81 ggc tgc agc ttg aac tgc gtc gat gac tca cag gac tac 231
82 Gly Cys Ser Leu Asn Cys Val Asp Asp Ser Gln Asp Tyr
83 65 70 75
85 tac gtc ggc aag aag aac atc acg tgc tgt gac acc gac 270
86 Tyr Val Gly Lys Lys Asn Ile Thr Cys Cys Asp Thr Asp
87 80 85 90
89 ttg tgc aac gcc agc ggg gcc cat gcc ctg cag ccg gct 309
90 Leu Cys Asn Ala Ser Gly Ala His Ala Leu Gln Pro Ala
91 95 100
93 gcc gcc atc ctt gcg ctg ctc cct gca ctc ggc ctg ctg 348
94 Ala Ala Ile Leu Ala Leu Pro Ala Leu Gly Leu Leu
95 105 110 115
97 ctc tgg gga ccc ggc cag cta tag 372
W--> 98 Leu Trp Gly Pro Gly Gln Leu Xaa
99 120 124
101 <210> SEQ ID NO: 3
102 <211> LENGTH: 96
103 <212> TYPE: PRT
104 <213> ORGANISM: Mus musculus
106 <400> SEQUENCE: 3
107 Ser Val Ser Ile Ser Cys Arg Ser Ser Lys Ser Leu Leu His Ser
108 1 5 10 15
110 Asn Gly Asn Thr Tyr Leu Tyr Trp Phe Leu Gln Arg Pro Gly Gln
111 20 25 30
113 Ser Pro Gln Leu Ile Tyr Arg Met Ser Asn Leu Ala Ser Gly
114 35 40 45
116 Val Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Val Phe Thr
117 50 55 60
119 Leu Arg Ile Ser Arg Val Glu Ala Glu Asp Val Gly Val Tyr Tyr
120 65 70 75
122 Cys Met Gln His Leu Glu Ser Pro Phe Thr Phe Gly Ser Gly Thr
123 80 85 90
125 Lys Leu Glu Ile Lys Arg
126 95
128 <210> SEQ ID NO: 4
129 <211> LENGTH: 115
130 <212> TYPE: PRT
131 <213> ORGANISM: Mus Musculus
133 <220> FEATURE:
134 <221> NAME/KEY: unsure
135 <222> LOCATION: 46-48, 50-52

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136 <223> OTHER INFORMATION: unknown amino acid/
138 <400> SEQUENCE: 4
139 Glu Leu Val Lys Pro Gly Ala Pro Val Lys Leu Ser Cys Lys Ala
140 1 5 10 15
142 Ser Gly Tyr Thr Phe Thr Asn Tyr Trp Met Asn Trp Val Lys Gln
143 20 25 30
145 Arg Pro Gly Arg Gly Met Glu Trp Ile Gly Arg Ile Asp Pro Ser
146 35 40 45
W--> 148 Xaa Xaa Xaa Thr Xaa Xaa Gln Thr Phe Lys Asp Lys Ala Thr
149 50 55 60
151 Leu Thr Val Asp Lys Ser Ser Ser Thr Ala Tyr Ile Gln Leu Ser
152 65 70 75
154 Ser Leu Thr Ser Glu Asp Ser Ala Val Tyr Tyr Cys Ala Ile Thr
155 80 85 90
157 Ala Ala Ile Ala Met Asp Tyr Trp Gly Gln Gly Thr Ser Val Thr
158 95 100 105
160 Val Ser Ser Ala Lys Thr Thr Gly Pro Ser
161 110 115
163 <210> SEQ ID NO: 5
164 <211> LENGTH: 113
165 <212> TYPE: PRT
166 <213> ORGANISM: Mus musculus
168 <400> SEQUENCE: 5
169 Asp Ile Val Met Thr Gln Ala Ala Pro Ser Val Pro Val Thr Pro
170 1 5 10 15
172 Gly Glu Ser Val Ser Ile Ser Cys Arg Ser Ser Lys Ser Leu Leu
173 20 25 30
175 His Ser Asn Gly Asn Thr Tyr Leu Tyr Trp Phe Leu Gln Arg Pro
176 35 40 45
178 Gly Gln Ser Pro Gln Leu Leu Ile Tyr Arg Met Ser Asn Leu Ala
179 50 55 60
181 Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Gly Thr Ala
182 65 70 75
184 Phe Thr Leu Arg Ile Ser Arg Val Glu Ala Glu Asp Val Gly Val
185 80 85 90
187 Tyr Tyr Cys Leu Gln His Leu Glu Tyr Pro Tyr Thr Phe Gly Gly
188 95 100 105
190 Gly Thr Lys Leu Glu Leu Lys Arg
191 110
193 <210> SEQ ID NO: 6
194 <211> LENGTH: 124
195 <212> TYPE: PRT
196 <213> ORGANISM: Mus musculus
198 <400> SEQUENCE: 6
199 Gln Val Gln Val Gln Gln Pro Gly Ala Glu Leu Val Lys Pro Gly
200 1 5 10 15
202 Ala Pro Val Lys Leu Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr
203 20 25 30
205 Asn Tyr Trp Leu Asn Trp Val Lys Gln Arg Pro Gly Arg Leu

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206      35          40          45
208 Glu Trp Ile Gly Arg Ile Asp Pro Ser Asp Ser Glu Ile His Tyr
209      50          55          60
211 Asp Gln Lys Phe Lys Asp Lys Ala Thr Leu Thr Val Asp Lys Ser
212      65          70          75
214 Ser Ser Thr Ala Tyr Ile Gln Leu Ser Ser Leu Thr Ser Glu Asp
215      80          85          90
217 Ser Ala Val Tyr Tyr Cys Ala Leu Thr Gly Ile Tyr Ala Met Ala
218      95          100         105
220 Tyr Trp Gly Gln Gly Thr Ser Val Thr Val Ser Ser Ala Lys Thr
221      110         115         120
223 Thr Gly Pro Ser
226 <210> SEQ ID NO: 7
227 <211> LENGTH: 113
228 <212> TYPE: PRT
229 <213> ORGANISM: Mus musculus
231 <400> SEQUENCE: 7
232 Asp Val Val Met Thr Gln Thr Pro Leu Thr Leu Ser Val Thr Ile
233      1           5           10          15
235 Gly Gln Pro Ala Ser Ile Ser Cys Lys Ser Ser Gln Ser Leu Leu
236      20          25          30
238 Asp Ser Asp Gly Lys Thr Tyr Leu Asn Trp Leu Leu Gln Arg Pro
239      35          40          45
241 Gly Gln Ser Pro Lys Arg Leu Ile Tyr Leu Val Ser Thr Leu Asp
242      50          55          60
244 Ser Gly Val Pro Asp Arg Phe Thr Gly Ser Gly Ser Gly Thr Asp
245      65          70          75
247 Phe Thr Leu Lys Ile Ser Arg Val Glu Ala Glu Asp Leu Gly Val
248      80          85          90
250 Tyr Tyr Cys Trp Gln Gly Thr His Phe Pro Arg Thr Phe Gly Gly
251      95          100         105
253 Gly Thr Lys Leu Glu Ile Lys Arg
254      110
256 <210> SEQ ID NO: 8
257 <211> LENGTH: 121
258 <212> TYPE: PRT
259 <213> ORGANISM: Mus musculus
261 <400> SEQUENCE: 8
262 Glu Val Gln Leu Gln Gln Ser Gly Pro Asp Leu Glu Lys Pro Gly
263      1           5           10          15
265 Ala Ser Val Lys Ile Ser Cys Lys Pro Ser Gly Asn Ser Phe Thr
266      20          25          30
268 Gly Tyr Tyr Ile His Trp Val Lys Gln Ser His Gly Lys Ser Leu
269      35          40          45
271 Glu Trp Ile Gly Arg Val Asp Pro Asn Asn Gly Phe Thr Ser Tyr
272      50          55          60
274 Asn Gln Lys Phe Lys Gly Lys Ala Ile Leu Thr Val Asp Lys Ser
275      65          70          75
277 Ser Ser Thr Ala Tyr Met Glu Leu Arg Ser Leu Thr Ser Glu Asp

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278 80 85 90
 280 Ser Ala Val Tyr Tyr Cys Val Gly Asn Phe Phe Asp Ser Trp Gly
 281 95 100 105
 283 Gln Gly Thr Thr Ieu Thr Val Ser Ser Ala Lys Thr Thr Gly Pro
 284 110 115 120
 286 Ser
 289 <210> SEQ ID NO: 9
 290 <211> LENGTH: 118
 291 <212> TYPE: PRT
 292 <213> ORGANISM: Mus musculus
 294 <400> SEQUENCE: 9
 295 Pro Gly Ala Glu Ieu Val Lys Pro Gly Ala Pro Val Lys Ieu Ser
 296 1 5 10 15
 298 Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asn Tyr Trp Met Asn Trp
 299 20 25 30
 301 Val Lys Gln Arg Pro Gly Arg Gly Leu Glu Trp Ile Gly Arg Ile
 302 35 40 45
 304 Asp Pro Ser Asp Ser Glu Thr Gln Tyr Asn Gln Thr Phe Lys Asp
 305 50 55 60
 307 Lys Ala Thr Ieu Thr Val Asp Lys Ser Ser Ser Thr Ala Tyr Ile
 308 65 70 75
 310 Gln Leu Ser Ser Leu Thr Ser Glu Asp Ser Ala Val Tyr Tyr Cys
 311 80 85 90
 313 Ala Ile Thr Ala Ala Ile Ala Met Asp Tyr Trp Gly Gln Gly Thr
 314 95 100 105
 316 Ser Val Thr Val Ser Ser Ala Lys Thr Thr Gly Pro Ser
 317 110 115
 319 <210> SEQ ID NO: 10
 320 <211> LENGTH: 238
 321 <212> TYPE: PRT
 322 <213> ORGANISM: Artificial sequence
 324 <220> FEATURE:
 325 <223> OTHER INFORMATION: sequence is chimeric mouse/human
 327 <400> SEQUENCE: 10
 328 Met Gly Trp Ser Cys Ile Ile Leu Phe Leu Val Ala Thr Ala Thr
 329 1 5 10 15
 331 Gly Val His Ser Asp Ile Val Met Thr Gln Ala Ala Pro Ser Val
 332 20 25 30
 334 Pro Val Thr Pro Gly Glu Ser Val Ser Ile Ser Cys Arg Ser Ser
 335 35 40 45
 337 Lys Ser Leu Leu His Ser Asn Gly Asn Thr Tyr Leu Tyr Trp Phe
 338 50 55 60
 340 Leu Gln Arg Pro Gly Gln Ser Pro Gln Leu Leu Ile Tyr Arg Met
 341 65 70 75
 343 Ser Asn Leu Ala Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Gly
 344 80 85 90
 346 Ser Gly Thr Ala Phe Thr Leu Arg Ile Ser Arg Val Glu Ala Glu
 347 95 100 105
 349 Asp Val Gly Val Tyr Tyr Cys Leu Gln His Leu Glu Tyr Pro Tyr

VERIFICATION SUMMARY DATE: 11/13/2000
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Input Set : A:\P1777R1.txt
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L:12 M:282 W: Numeric Field Identifier Missing, <140> CURRENT APPLICATION NUMBER: is Added.
L:98 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:2
L:98 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:2
L:98 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:2
L:98 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:2
L:98 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:2
L:148 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4